

Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	09/23/11 04:00 CST	0		Dense Fog
	09/23/11 08:00 CST	0		
Due to slowly clearing skies and nearly calm winds, widespread dense fog formed across southern Illinois. Visibility was at or below one-quarter mile. A weak surface high pressure ridge over the Mid-Mississippi Valley provided the light winds and clearing skies.				
SALINE COUNTY --- GALATIA [37.83, -88.62]				
	09/24/11 20:00 CST	0		Heavy Rain
	09/25/11 16:00 CST	0		Source: Trained Spotter
A trained spotter measured a storm-total rainfall of 4.5 inches since the evening of the 24th.				
WILLIAMSON COUNTY --- CARTERVILLE [37.75, -89.08]				
	09/24/11 20:00 CST	0		Heavy Rain
	09/25/11 16:00 CST	0		Source: Trained Spotter
A trained spotter measured about 5 inches of rain since the evening of the 24th.				
HAMILTON COUNTY --- 1.0 N DALE [38.01, -88.48]				
	09/25/11 11:45 CST	0		Heavy Rain
	09/25/11 15:00 CST	0		Source: Law Enforcement
Heavy rain caused runoff problems along Highway 142. Water was reported flowing across Highway 142 about a mile north of Dale.				
A surface low pressure center moved northeast from eastern Arkansas, passing across northwest Tennessee and into western Kentucky. A closed 500 mb low was centered over the Mid-Mississippi Valley. An extended period of rain occurred on the northwest side of the surface low track. The rain was occasionally heavy.				
INDIANA, Southwest				
VANDERBURGH COUNTY --- (EVV)DRESS ARPT EVAN [38.03, -87.53]				
	09/18/11 16:00 CST	0		Heavy Rain
	09/18/11 18:00 CST	0		Source: ASOS
The rain gage at the Evansville airport measured 1.15 inches in about 40 minutes, and 1.9 inches in a couple hours.				
A 500 mb trough advancing east into Missouri aided the development of a large area of showers and thunderstorms. At the surface, a cold front was moving east across Missouri. The storms intercepted a moderately strong low level inflow of moist and unstable air. Locally heavy rainfall occurred.				
VANDERBURGH COUNTY --- 0.9 W EVANSVILLE SKYLN ARP [38.02, -87.60], 1.2 W EVANSVILLE SKYLN ARP [38.02, -87.60], 1.5 WNW EVANSVILLE SKYLN ARP [38.03, -87.60], 0.9 NW EVANSVILLE SKYLN ARP [38.03, -87.59]				
	09/25/11 18:10 CST	0		Flash Flood (due to Heavy Rain)
	09/25/11 20:30 CST	0		Source: Trained Spotter
Mill Creek overflowed on the northwest side of Evansville. Sandbagging was in progress. The automated observing system at the Evansville airport measured 1.17 inches in an hour. The storm-total rainfall for the 24th and 25th was about four inches.				
WARRICK COUNTY --- NEWBURGH [37.95, -87.42]				
	09/25/11 18:30 CST	0		Heavy Rain
	09/25/11 20:30 CST	0		Source: Fire Department/Rescue
Several large drainage ditches were full along Highway 66. Some streets in a subdivision were under water. About .75 inch of rain fell in less than 20 minutes.				

Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

A surface low pressure center moved northeast from eastern Arkansas, passing across northwest Tennessee and into western Kentucky. A closed 500 mb low was centered over the Mid-Mississippi Valley. An extended period of rain occurred on the northwest side of the surface low track. The rain was occasionally heavy.

KENTUCKY, Southwest

MUHLENBERG COUNTY --- GREENVILLE [37.20, -87.18]

09/11/11 15:08 CST		0	Hail (0.88 in)
09/11/11 15:08 CST		0	Source: Law Enforcement

Scattered thunderstorms developed ahead of a weak cold front that extended from western Indiana across the Lower Ohio Valley. A strong thunderstorm produced hail up to nickel size.

CARLISLE COUNTY --- ARLINGTON [36.78, -89.02]

09/14/11 16:40 CST		10K	Thunderstorm Wind (EG 61 kt)
09/14/11 16:40 CST		0	Source: Broadcast Media

A small barn or shed was destroyed. Large pieces of wood and metal debris were blown across a road.

CARLISLE COUNTY --- MILBURN [36.80, -88.88], KIRBYTON [36.85, -88.85]

09/14/11 16:45 CST		50K	Thunderstorm Wind (EG 61 kt)
09/14/11 16:48 CST		20K	Source: Public

On Kentucky Highway 548 near Kirbyton, three barns were damaged. Two of those barns were damaged extensively. Farm equipment was tossed about. Near Milburn, lots of tree limbs were blown down along with some downed trees. A flag pole and mailbox pole were snapped. Corn fields were flattened in the Kirbyton and Milburn area.

GRAVES COUNTY --- 0.5 S FANCY FARM [36.79, -88.78]

09/14/11 16:50 CST		7K	Thunderstorm Wind (EG 61 kt)
09/14/11 16:50 CST		0	Source: Public

A single-wide mobile home on Highway 80 was pushed back about five feet. None of the occupants were injured. The back porch was destroyed.

GRAVES COUNTY --- 1.6 NW CLEAR SPGS [36.84, -88.55]

09/14/11 16:55 CST		20K	Thunderstorm Wind (EG 61 kt)
09/14/11 16:55 CST		0	Source: Public

An old tobacco barn was blown almost fully intact onto Kentucky Highway 301. The barn was built in 1910. Two large oak trees about a foot and a half thick were snapped.

A surface low pressure center moved across eastern Arkansas into the Memphis area, with a warm front extending northeast into south central Kentucky. A bow-shaped line of thunderstorms developed north of the warm front and raked parts of western Kentucky with strong winds. Isolated wind damage occurred in the extreme western counties of Kentucky.

(KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCrackEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL

09/23/11 04:00 CST		0	Dense Fog
09/23/11 07:00 CST		0	

Due to slowly clearing skies and nearly calm winds, widespread dense fog formed across parts of western Kentucky. The dense fog was mainly west of Kentucky Lake. Visibility was at or below one-quarter mile. A weak surface high pressure ridge over the Mid-Mississippi Valley provided the light winds and clearing skies.

MCCRACKEN COUNTY --- (PAH)BARKLEY ARPT PA [37.07, -88.77]

09/25/11 00:00 CST		0	Heavy Rain
09/25/11 19:00 CST		0	Source: ASOS

The calendar day rainfall total was 3.38 inches at the Paducah National Weather Service.

DAVIESS COUNTY --- OWENSBORO [37.77, -87.12]

Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	09/25/11 14:25 CST		30K	Lightning
	09/25/11 14:25 CST		0	Source: Newspaper
A lightning strike caused two house fires that broke out across the street from one another. One of the houses was heavily damaged.				
CRITTENDEN COUNTY --- MARION [37.33, -88.08]				
	09/25/11 17:35 CST		0.10M	Thunderstorm Wind (EG 61 kt)
	09/25/11 17:35 CST		0	Source: Newspaper
The dust collector on top of a feed mill was blown off, leaving behind a large hole in the roof. A metal roof was torn off a shed behind a hardware store. The shed roof was deposited in trees. Both the feed mill and shed sustained water damage due to rainwater. Shingles were torn off roofs around town. Trees and limbs were blown down across the city, resulting in power outages. A tree limb struck a porch on a trailer. Signs were blown over.				
HENDERSON COUNTY --- 0.8 SW ZION [37.81, -87.49], SPOTTSVILLE [37.85, -87.42]				
	09/25/11 17:50 CST		50K	Thunderstorm Wind (EG 74 kt)
	09/25/11 17:55 CST		0	Source: NWS Storm Survey
Near Zion, a microburst containing estimated winds near 85 mph occurred along Highway 351. One pole barn was destroyed, and one garage was damaged. The house sustained damage to porch columns, and two windows were broken. Several large trees were downed or uprooted. The damage area was about one-half mile long and one-quarter mile wide. At Spottsville, a trained spotter estimated wind gusts were near 65 mph. Emergency managers reported many trees and limbs down at unspecified locations across the county, causing roadway blockages and some spotty power outages.				
CALLOWAY COUNTY --- MURRAY [36.62, -88.32], 1.3 NW CROSSLAND [36.51, -88.40]				
	09/25/11 18:00 CST		0	Heavy Rain
	09/25/11 20:00 CST		0	Source: Newspaper
Many back roads around the county were covered with water.				
HENDERSON COUNTY --- HENDERSON [37.83, -87.58]				
	09/25/11 18:00 CST		0	Heavy Rain
	09/25/11 19:00 CST		0	Source: Broadcast Media
Minor street flooding occurred on U.S. Highway 60 in Henderson, as well as some other lesser-travelled roads and streets. High water signs were placed on those roads and streets.				
CHRISTIAN COUNTY --- 0.9 NE WEST BROOK [36.81, -87.49]				
	09/25/11 19:15 CST		0	Hail (0.75 in)
	09/25/11 19:15 CST		0	Source: Trained Spotter
Dime-size hail occurred just south of Hopkinsville along the Pennyrlie Parkway at Highway 1613.				
DAVIESS COUNTY --- 6.9 NNW DELAWARE [37.77, -87.45], OWENSBORO [37.77, -87.12]				
	09/25/11 19:20 CST		0	Heavy Rain
	09/25/11 20:30 CST		0	Source: Emergency Manager
Water was reported over the eastbound lanes of the Audubon Parkway at the 11 and 12 mile markers. A major street was flooded in the city of Owensboro.				
HOPKINS COUNTY --- 0.5 SSW WHITE PLAINS [37.17, -87.38], 0.3 ESE WHITE PLAINS [37.18, -87.38]				
	09/25/11 19:25 CST		80K	Tornado (EF2, L: 0.52 mi , W: 80 yd)
	09/25/11 19:26 CST		0	Source: NWS Storm Survey
This short-lived tornado occurred along Highway 813. One framed home and one mobile home were destroyed. There was minor damage to two framed homes. Four sheds were destroyed. Power lines were blown down. Several large trees were downed or uprooted. The destroyed mobile home was thrown about 30 feet into a tree. The lone resident of the mobile home was ejected, but he sustained no injuries requiring treatment. The destroyed framed home lost most of the roof, and bricks were shifted. Peak winds were estimated near 120 mph.				
HOPKINS COUNTY --- MORTONS GAP [37.23, -87.48]				
	09/25/11 19:25 CST		30K	Thunderstorm Wind (EG 65 kt)
	09/25/11 19:25 CST		0	Source: Fire Department/Rescue
A trailer was overturned near Mortons Gap.				

Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHRISTIAN COUNTY --- 2.0 NE HERNDON [36.75, -87.54], 3.0 NE HERNDON [36.76, -87.53]				
	09/25/11 19:50 CST		40K	Tornado (EF1, L: 1.00 mi , W: 100 yd)
	09/25/11 19:51 CST		0	Source: NWS Storm Survey

Two barns were damaged. One of the barns was nearly levelled. A pole barn lost one side and some roofing. Several trees were snapped or blown down, and several tree tops were snapped. Peak winds were estimated near 90 mph.

A surface low pressure center moved northeast from eastern Arkansas, passing across northwest Tennessee and into western Kentucky. A closed 500 mb low was centered over the Mid-Mississippi Valley. Along and east of the surface low pressure center track, scattered strong to severe thunderstorms were embedded within a large area of rain. The storms were aided by convergence in the exit region of an intense south-southwesterly low-level jet of around 50 knots. Upper-level divergence within the right entrance region of a jet streak over northern Indiana further enhanced the storms. A couple of isolated tornadoes and microbursts accompanied the storms.

MISSOURI, Southeast

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID				
	09/23/11 04:00 CST		0	Dense Fog
	09/23/11 08:00 CST		0	

Due to slowly clearing skies and nearly calm winds, widespread dense fog formed across southeast Missouri. Visibility was at or below one-quarter mile. A weak surface high pressure ridge over the Mid-Mississippi Valley provided the light winds and clearing skies.

CAPE GIRARDEAU COUNTY --- CAPE GIRARDEAU [37.30, -89.53]				
	09/24/11 20:00 CST		0	Heavy Rain
	09/25/11 16:00 CST		0	Source: Trained Spotter

The Cape Girardeau airport automated observing system measured a calendar day rainfall total of 6.67 inches on the 25th. Minor flooding of county roads was reported.

A surface low pressure center moved northeast from eastern Arkansas, passing across northwest Tennessee and into western Kentucky. A closed 500 mb low was centered over the Mid-Mississippi Valley. An extended period of rain occurred on the northwest side of the surface low track. The rain was occasionally heavy.